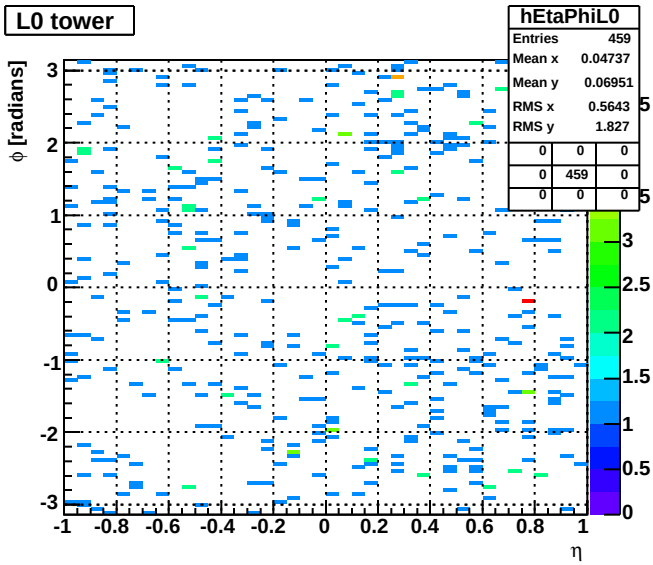
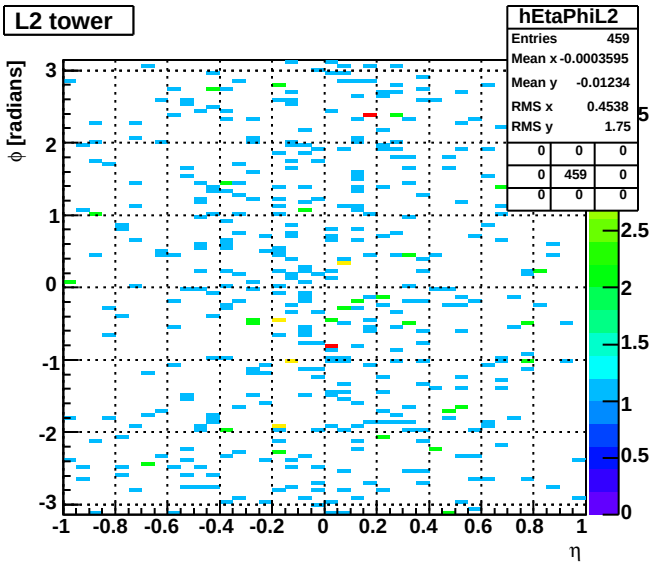
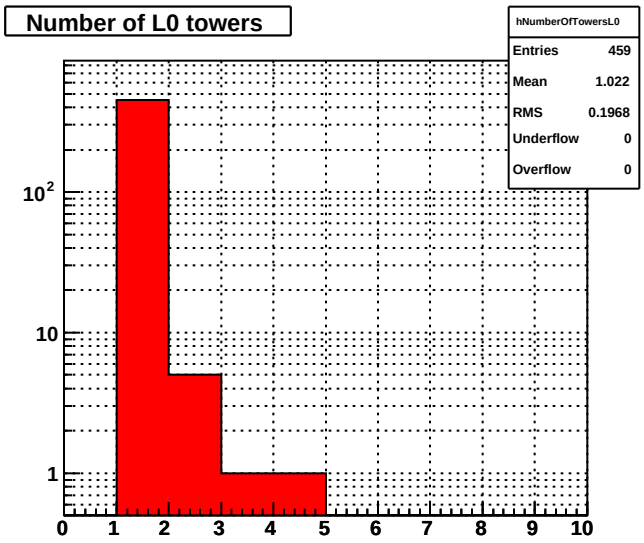
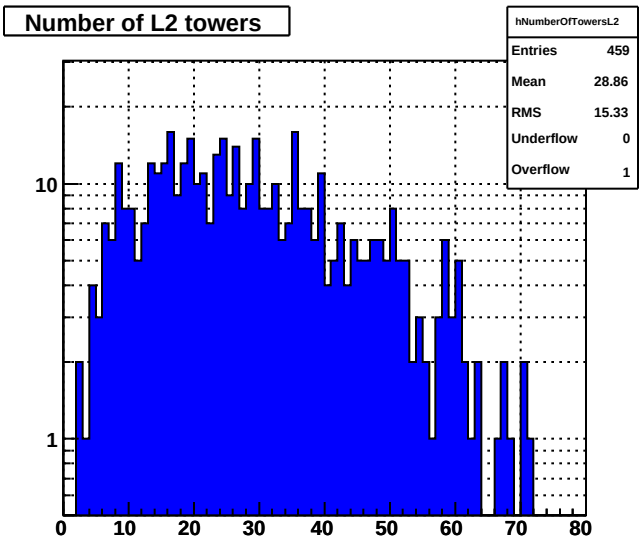
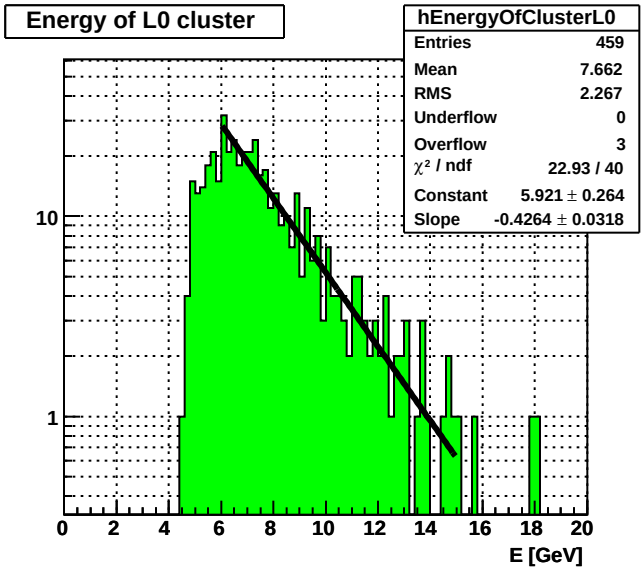
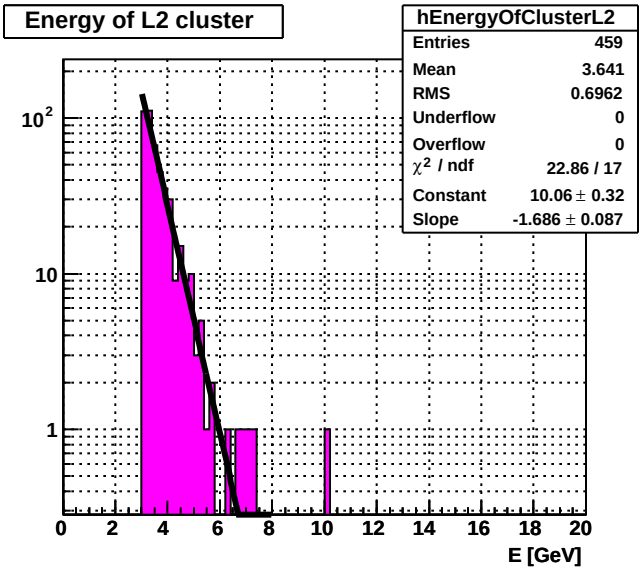

L0 tower
hEtaPhiL0
Entries 459
Mean x 0.04737
Mean y 0.06951
RMS x 0.5643
RMS y 1.827
φ [radians]
η

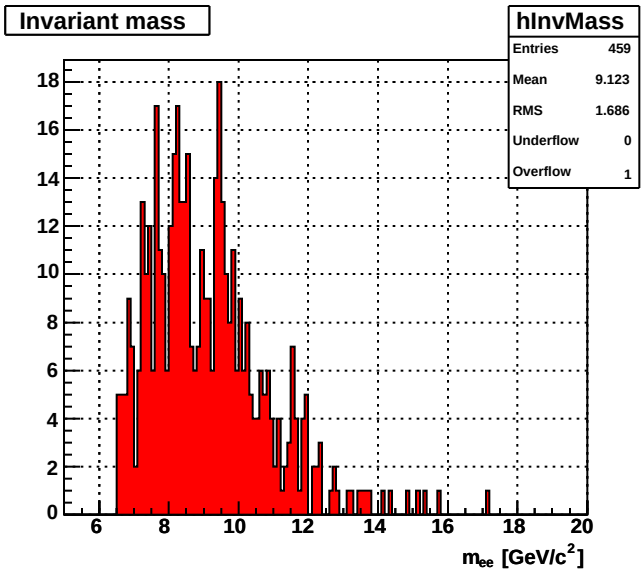

L2 tower
hEtaPhiL2
Entries 459
Mean x -0.0003595
Mean y -0.01234
RMS x 0.4538
RMS y 1.75
φ [radians]
η

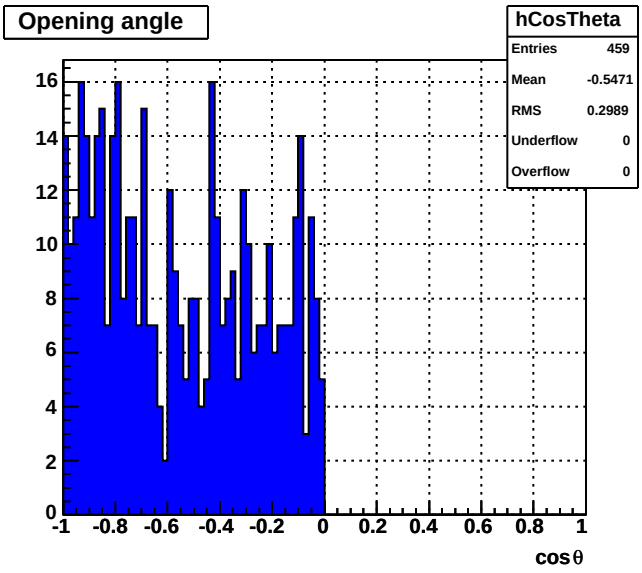

Number of L0 towers
hNumberOfTowersL0
Entries 459
Mean 1.022
RMS 0.1968
Underflow 0
Overflow 0

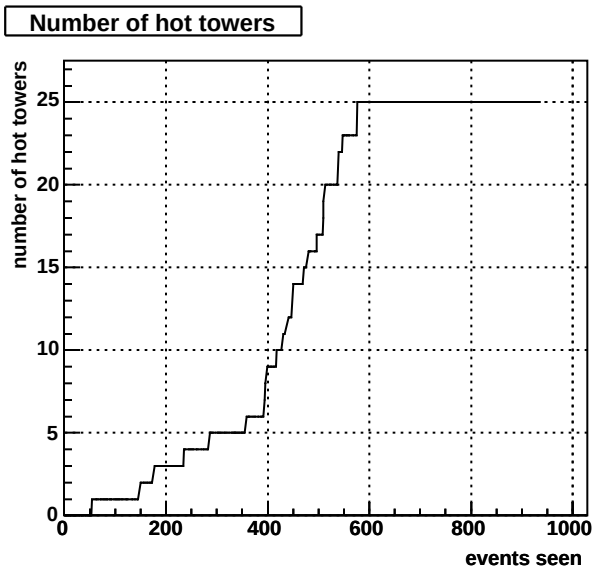

Number of L2 towers
hNumberOfTowersL2
Entries 459
Mean 28.86
RMS 15.33
Underflow 0
Overflow 1

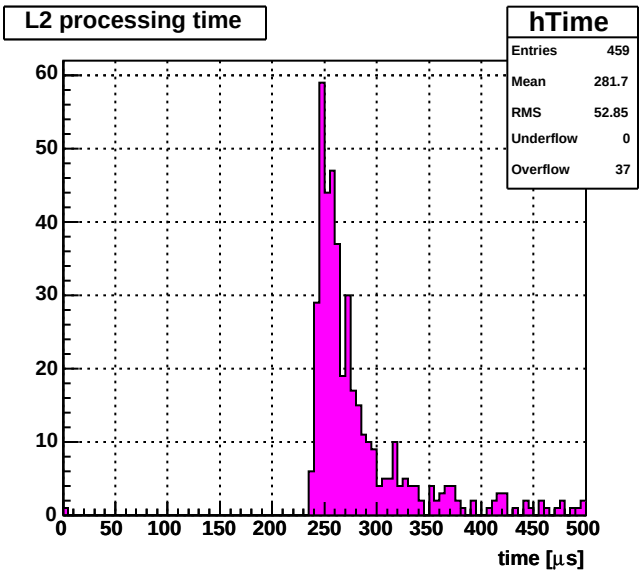

Energy of L0 cluster
hEnergyOfClusterL0
Entries 459
Mean 7.662
RMS 2.267
Underflow 0
Overflow 3
χ² / ndf 22.93 / 40
Constant 5.921 ± 0.264
Slope -0.4264 ± 0.0318
E [GeV]

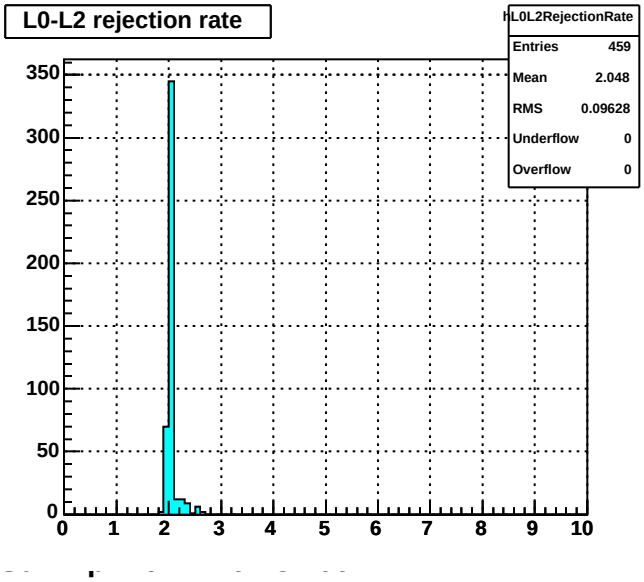

Energy of L2 cluster
hEnergyOfClusterL2
Entries 459
Mean 3.641
RMS 0.6962
Underflow 0
Overflow 0
χ² / ndf 22.86 / 17
Constant 10.06 ± 0.32
Slope -1.686 ± 0.087
E [GeV]

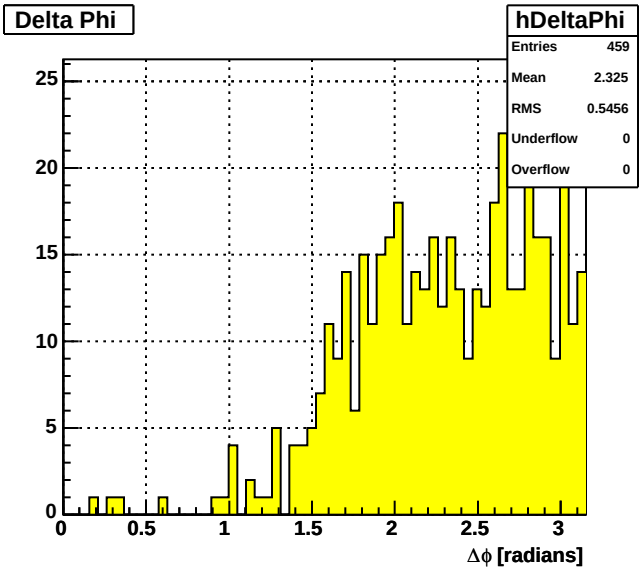

Invariant mass
hInvMass
Entries 459
Mean 9.123
RMS 1.686
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

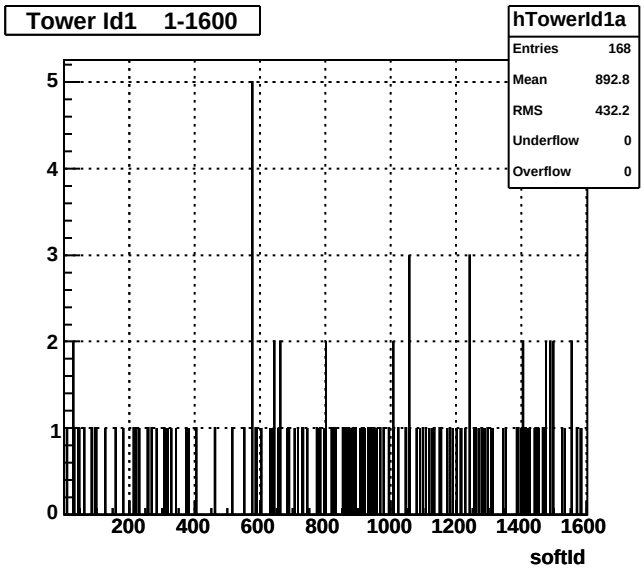

Opening angle
hCosTheta
Entries 459
Mean -0.5471
RMS 0.2989
Underflow 0
Overflow 0
cos θ

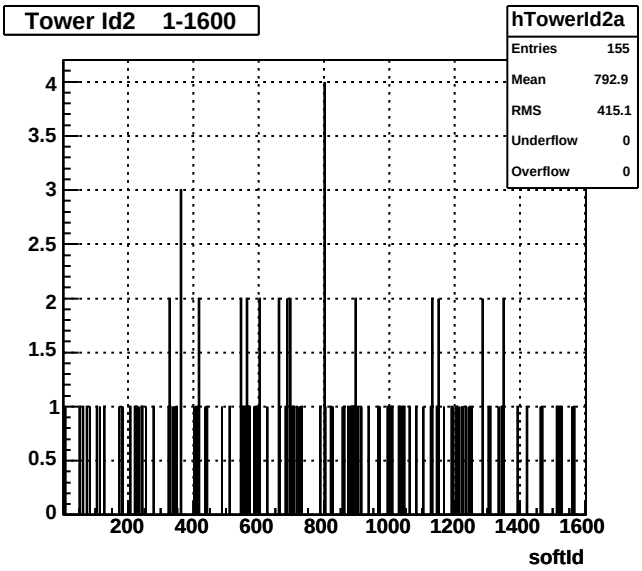

Number of hot towers
number of hot towers
events seen

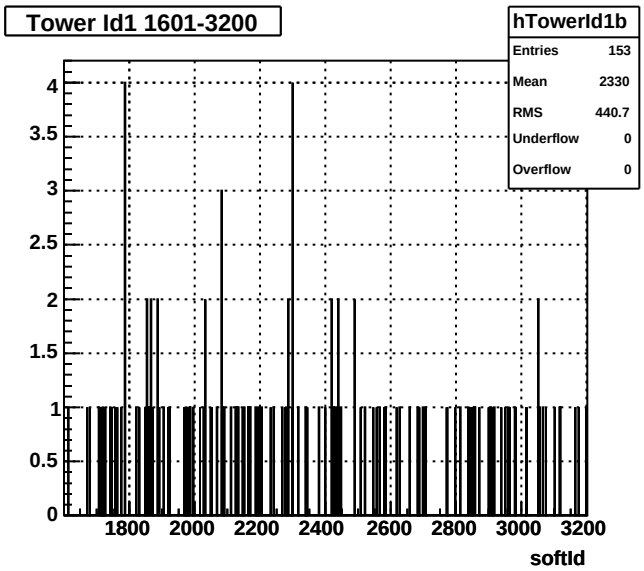

L2 processing time
hTime
Entries 459
Mean 281.7
RMS 52.85
Underflow 0
Overflow 37
time [μs]

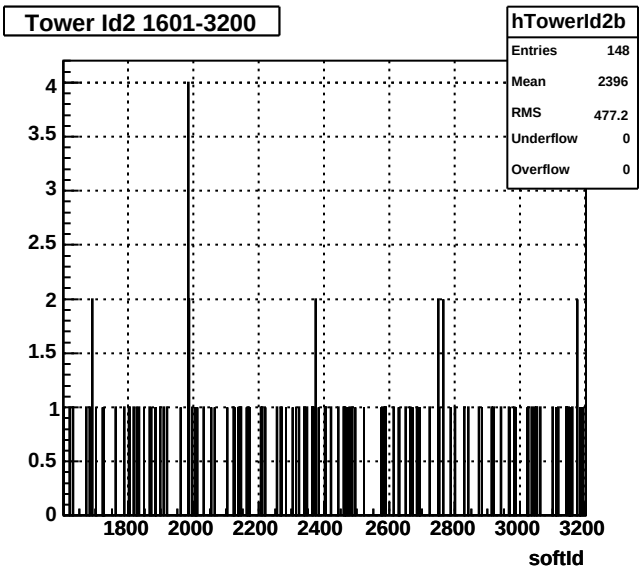

L0-L2 rejection rate
hL0L2RejectionRate
Entries 459
Mean 2.048
RMS 0.09628
Underflow 0
Overflow 0

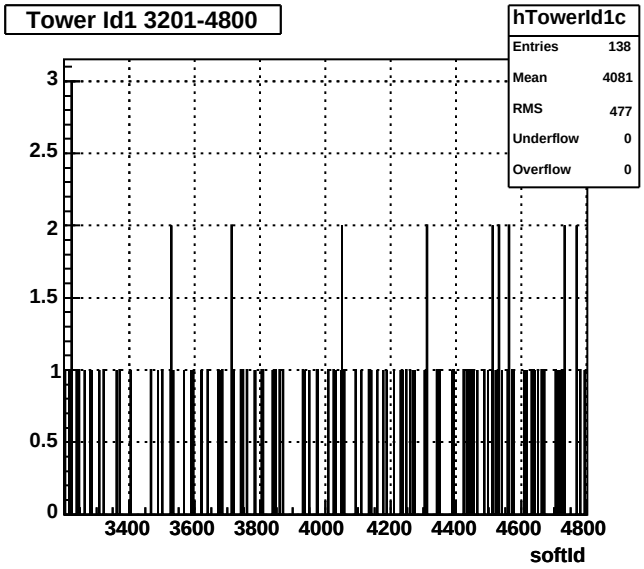

Delta Phi
hDeltaPhi
Entries 459
Mean 2.325
RMS 0.5456
Underflow 0
Overflow 0
Δφ [radians]

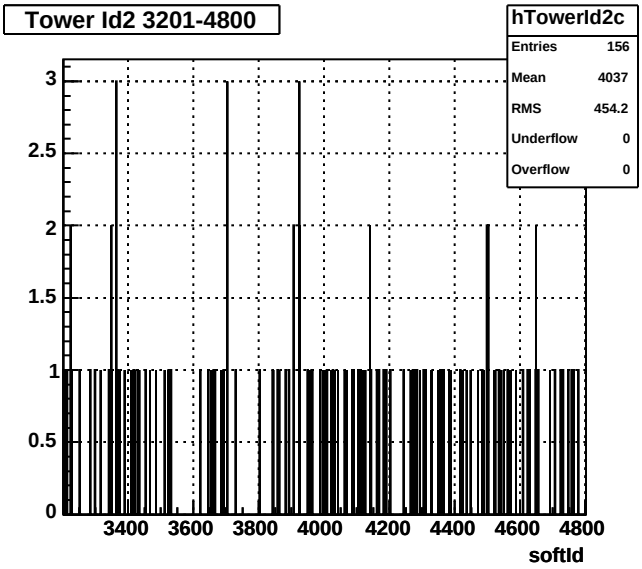

Tower Id1 1-1600
hTowerId1a
Entries 168
Mean 892.8
RMS 432.2
Underflow 0
Overflow 0
softId

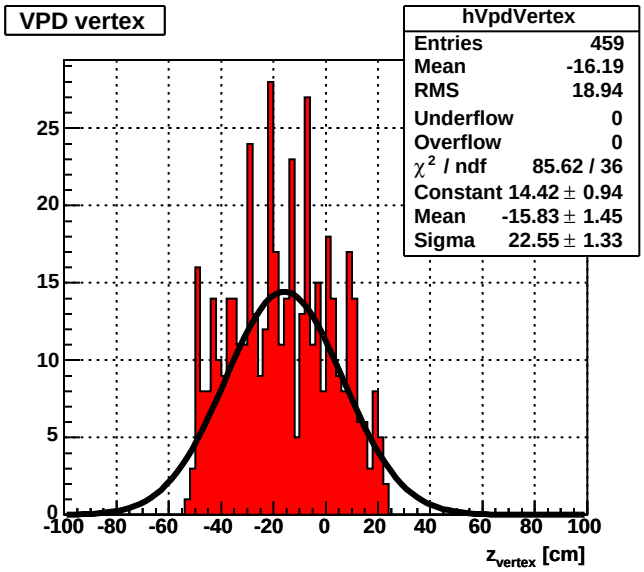

Tower Id2 1-1600
hTowerId2a
Entries 155
Mean 792.9
RMS 415.1
Underflow 0
Overflow 0
softId

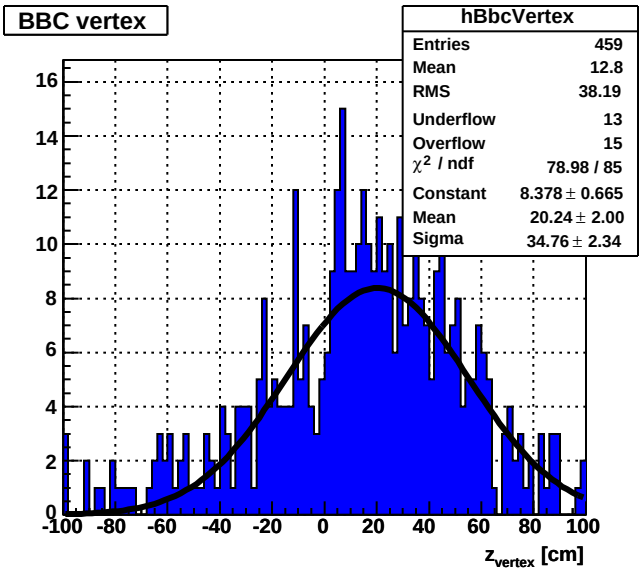

Tower Id1 1601-3200
hTowerId1b
Entries 153
Mean 2330
RMS 440.7
Underflow 0
Overflow 0
softId

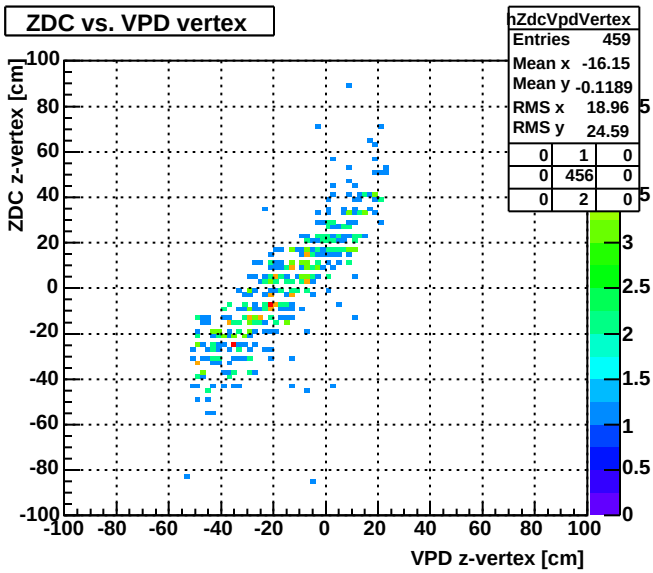

Tower Id2 1601-3200
hTowerId2b
Entries 148
Mean 2396
RMS 477.2
Underflow 0
Overflow 0
softId

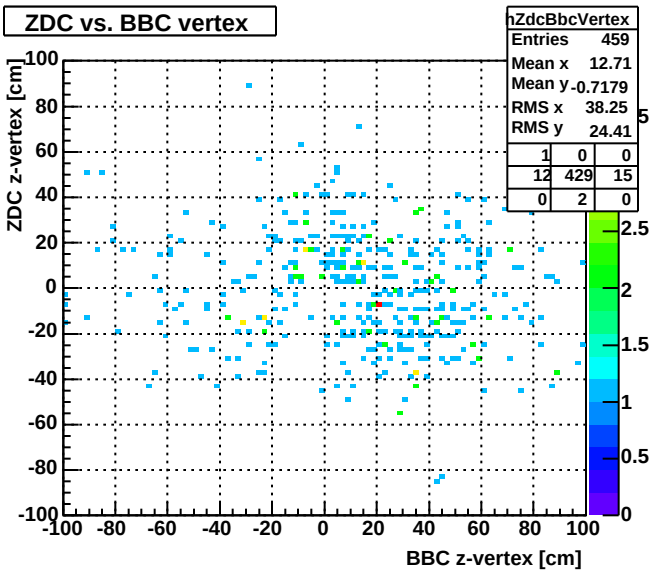

Tower Id1 3201-4800
hTowerId1c
Entries 138
Mean 4081
RMS 477
Underflow 0
Overflow 0
softId

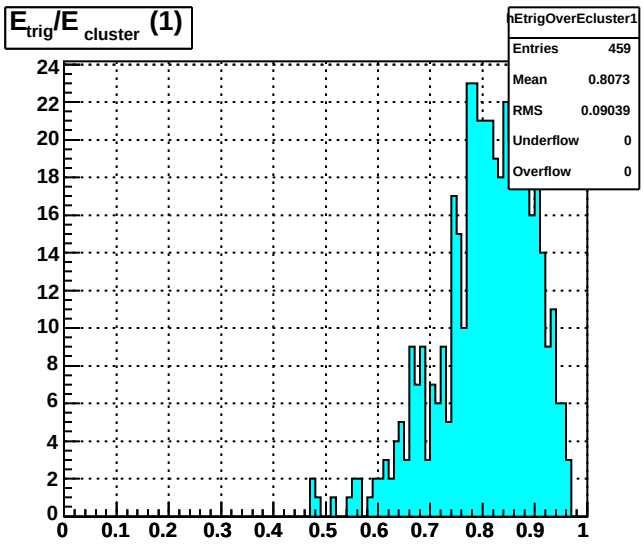

Tower Id2 3201-4800
hTowerId2c
Entries 156
Mean 4037
RMS 454.2
Underflow 0
Overflow 0
softId

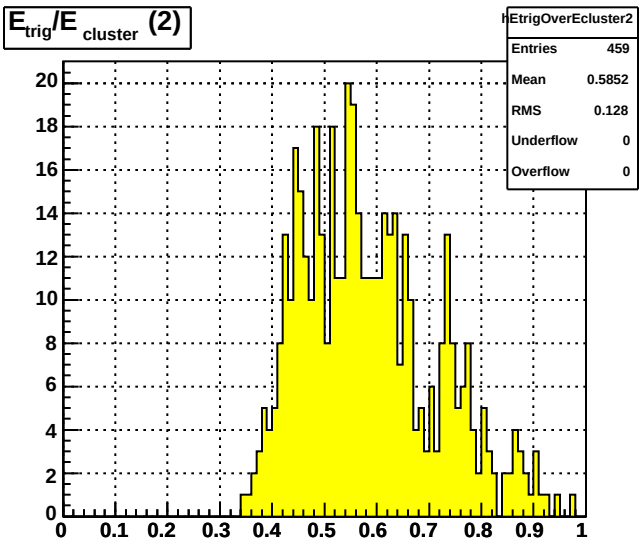

VPD vertex
hVpdVertex
Entries 459
Mean -16.19
RMS 18.94
Underflow 0
Overflow 0
χ² / ndf 85.62 / 36
Constant 14.42 ± 0.94
Mean -15.83 ± 1.45
Sigma 22.55 ± 1.33
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 459
Mean 12.8
RMS 38.19
Underflow 13
Overflow 15
χ² / ndf 78.98 / 85
Constant 8.378 ± 0.665
Mean 20.24 ± 2.00
Sigma 34.76 ± 2.34
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 459
Mean x -16.15
Mean y -0.1189
RMS x 18.96
RMS y 24.59
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 459
Mean x 12.71
Mean y -0.7179
RMS x 38.25
RMS y 24.41
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 459
Mean 0.8073
RMS 0.09039
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 459
Mean 0.5852
RMS 0.128
Underflow 0
Overflow 0